

							,		
90 TTATTTTTT AATAAATAA	180 AGCCAGTATC TCGGTCATAG	270 AATTGCATGA TTAACGTACT	360 AGTTATTAAT TCAATAATTA	450 GGCTGACCGC CCGACTGGCG	540 TGGGTGGACT ACCCACCTGA	620 630 CAATGACGGT AAATGGCCCG GTTACTGCCA TTTACCGGGC	720 ATGGTGATGC TACCACTACG	810 GGGAGTTTGT CCCTCAAACA	880 880 890 AAATGGGGG TAGGCGTGTA CGGTGGAAGG TTTACCCGCC ATCCGCACAT GCCACCTCC
	170 CGCATAGTTA GCGTATCAAT	260 CTTGACCGAC GAACTGGCTG	350 ATTATTGACT TAATAACTGA	TGGCCCGCCT GGCTGACCGC ACCGGGCGGA CCGACTGGCG	520 GGACTTTCCA TTGACGTCAA CCTGAAAGGT AACTGCAGTT		710 CGCTATTACC GCGATAATGG	790 810 TCCACCCCAT TGACGTCAAT GGGAGTTTGT AGGTGGGGTA ACTGCAGTTA CCCTCAAACA	B90 TAGGCGTGTA
70 CCTTTTTTT TAATTTTAIT GGAAAAAAA ATTAAAATAA	160 GCTCTGATGC CGAGACTACG	250 CAAGGCAAGG GTTCCGTTCC	340 GTTGACATTG CAACTGTAAC	430 TTACGGTAAA AATGCCATIT		610 CTATTGACGT GATAACTGCA	700 TATTAGTCAT ATAATCAGTA	TCCACCCCAT	880 S AAATGGGCGG TTTACCCGCC
60 GCCAGAGTAA CGGTCTCATT	150 AGTACAATCT TCATGTTAGA	240 TAAGCTACAA ATTCGATGTT	330 AGATATACGC TCTATATGCG	420 GTTACATAAC CAATGTATTG	510 ACGCCAATAG TGCGGTTATC	600 AGTACGCCCC TCATGCGGGG	690 TACATCTACG ATGTAGATGC	780 TTTCCAAGTC	B70 CCATTGACGC GGTAACTGCG
50 GCTTCGAATA CGAAGCTTAT	140 GTCGACTCTC CAGCTGAGAG	230 GAGCAAAATT CTCGTTTTAA	320 TGTACGGGCC ACATGCCCGG	410 GGAGTTCCGC CCTCAAGGCG	490 TGACGTATGT TCCCATAGTA ACTGCATACA AGGGTATCAT	590 TCATATGCCA AGTATACGGT	680 TACTTGGCAG ATGAACCGTC		B60 CAACTCCGCC GTTGAGGCGG
40 AGGCGCGCCG TCCGCGCGGC			310 TGCTTCGCGA ACGAAGCGCT	400 GCCCATATAT CGGGTATATA	490 TGACGTATGT ACTGCATACA	580 ATCAAGTGTA TAGTTCACAT		760 AGCGGTTTGA TCGCCAAACT	
30 AGGTGACCTG		210 GAGGTCGCTG CTCCAGCGAC			480 ACGTCAATAA TGCAGTTATT	570 TYGGCAGTAC	660 ATGACCTTAT TACTGGAATA	750 GGGCGTGGAT CCCGCACCTA	
				370 380 AGTAATCAAT TACGGGGTCA TCATTAGGTA ATGCCCCAGT	470 CCGCCCATTG	ATTTACGGTA AACTGCCCAC	CCTGGCATTA TGCCCAGTAC	GGTTTTGGCA GTACATCAAT	
10 GACGGATCGG GAGATCTGCT CTGCCTAGCC CTCTAGACGA	100 TTTGAGATGG	190 200 recreed recreated ACACACACACACACACACACACACACACACACACACAC	280 280 AGAATCTGCT TAGGGTTAGG	370 AGTAATCAAT TCATTAGTTA	460 CCAACGACCC	550 STTTACGGTA	640 CCTGGCATTA	730 GGTTTTGGCA	820 TYTGGCACCA

Figure 14A (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

990 GAGACCCAAG CTCTGGGTTC	1080 GCTTGCTAGC CGAACGATCG	1170 TCTGGGGGAG AGACCCCTC	1260 GTTCGCCAGA CAAGCGGTCT	1350 CGATTCACCA GCTAAGTGGT	1440 GCAAGAGGCC CGTTCTCCGG	1530 GTCTTCCCCC CAGAAGGGGG	1620 ACGGTGTCGT TGCCACAGCA	1710 GTGGTCACCG CACCAGTGGC	1800 GTTGGTGAGA CAACCACTCT
980 TCACTATAGG G AGTGATATCC C	1070 TCTTGCGGCC O AGAACGCCGG	1160 TCTGGTGGAG 7 AGACCACCTC 7	1250 CATGTATTGG (GTACATAACC (1340 TGTAAAGGGT ACATTTCCCA	1430 GTATTACTGT CATAATGACA	1520 GGGCCCATCG CCCGGGTAGC	1610 CGAACCGGTG GCTTGGCCAC	1700 CCTCAGCAGC GGAGTCGTCG	1790 Ggacaagaaa Cctgttcttt
970 TTAATACGAC 1 AATTATGCTG A	CGATTGGAAT 1 GCTAACCTTA 1		1240 GTGACTATTA CACTGATAAT	1330 ATCCAGACAC TAGGTCTGTG	1420 ACACAGCCAT TGTGTCGGTA	1510 CTAGCACCAA GATCGTGGTT	1600 ACTACTTCCC TGATGAAGGG	1690 GACTCTACTC CTGAGATGAG	1780 ACACCAAGGT TGTGGTTCCA
960 CTTATCGAAA GAATAGCTTT	1050 ACCGGTCAAT TGGCCAGTTA	1140 GGTGTCCAGT CCACAGGTCA	1230 TYCACTTYCA AAGTGAAAGT	1320 ATAACCGACT TATTGGCTGA	1410 AAGTCTGAGG TTCAGACTCC	1500 GTCTCTGTAG CAGAGACATC	1590 CTGGTCAAGG GACCAGTTCC	1680 CAGTCCTCAG GTCAGGAGTC	1770 AAGCCCAGCA TTCGGGTCGT
950 TGCTTACTGG (ACGAATGACC (1040 TCTCTAGATA AGAGATCTAT	1130 TGTTTTAAAA ACAAAATTTT	1220 AACCTCTGGA TTGGAGACCT	AGGTGGTGAT TCCACCACTA	1400 GAGCCGTCTG CTCGGCAGAC	GCCAAGGGAC TCTGGTCACG	1580 CCTGGGCTGC GGACCCGACG	1670 GGCTGTCCTA CCGACAGGAT	1760 CGTGAATCAC GCACTTAGTG
940 GAGAACCCAC CTCTTGGGTG	1030 AGGTCTCGAG TCOAGAGCTC	GCTTGGTCCT FECTTGTCCT TGTTTTAAAA GGTGTCCAGT GTGAAGTGAA	TCCCTGAAAG TCTCCTGTGT AACCTCTGGA AGGGACTTTC AGAGGACACA TTGGAGACCT	1310 ACATTAGTCA AGGTGGTGAT TGTAATCAGT TCCACCACTA	1400 AACACCCTGT ACCTGCAAAT GAGCCGTCTG TTGTGGGACA TGGACGTTTA CTCGGCAGAC	GCCAAGGGAC CGGTTCCCTG	1570 GCACAGCGGC CGTGTCGCCG	1660 ACACCTTCCC TGTGGAAGGG	1750 ACATCTGCAA TGTAGACGTT
930 TGGCTAACTÀ ACCGATTGAT	1020 ATATCTCCTT TATAGAGGAA	1110 GCTTGGTCCT CGAACCAGGA	1200 TCCCTGAAAG AGGGACTTTC	1290 TGGGTCGCAT ACCCAGCGTA	1380 AACACCCTGT TTGTGGGACA		1560 ACCTCTGGGG TGGAGACCCC		1740 ACCCAGACCT TGGGTCTGGA
920 CAGAGCTCTC	1010 ATTTAAATTG TAAATTTAAC	1100 TTGTGGTTAA AACACCAATT	1180 1190 GCTTAGTGCA GCCTGGAGGG CGAATCACGT CGGACCTCCC	1270 1280 CTCCAGAGAA GAGGCTGGAG GAGGTCTCTT CTCCGACCTC	1370 CAATGCCAAG GTTACGGTTC	1460 GGCCTGGTTT CCGGACCAAA	CTCCAP		
910 TCTATATAAG AGATATATTC		1100 CACCATGGAG TIGTGGTTAA GIGGTACCTC AACACCAAFT	1180 1180 CCTGGAGGG CGAATCACGT CGAACCTCCC	1270 CTCCAGAGAA GAGGCT GAGGICTCTT CTCCGA	1360 TCTCCAGAGA	1450 TOGACGACGG GGCCTG ACCTGCTGCTCC CCGGAC	1540 TGGCACCCTC	1530 GGAACTCAGG	1720 TGCCCTCCAG ACGGGAGGTC
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Figure 14B (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

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AGTCCAGGGC TCAGGTCCCG	1980 TTTTCCCCAG AAAAGGGGTC	2070 GAGCCATATC CTCGGTATAG	2160 CCAGATTCCA GGTCTAAGGT	2250 CCAGGCCTCG GGTCCGGAGC	2340 GCCACATGGA CGGTGTACCT	2430 CACAGGTGTA GTGTCCACAT	2520 ACATCGCCGT TGTAGCGGCA	TCTACA(AGATGT	Z700- ACACGCAGAA TGTGCGTCTT
1880 ATGCAGCCCC A TACGTCGGGG T	1970 TCTTCTGGCT 1 AGAAGACCGA A	GACCTGCCAA (CTGGACGGTT (2150 TTCTCTCCTC	2240 GTAAGCCAGC CATTCGGTCG	2330 CATGTCCGGA GTACAGGCCT	2420 CCCCGAGAAC GGGGCTCFTG	2510 2500 2500 2510 2510 2510 CORRECTED TATCCCAGCG ACATCGCCGT GOACGGACCA GITTCCGAAG ATAGGGTCGC TGTAGCGCA	TCCTTCT	2690 CACAACCACT GTGTTGGTGA
1870 CATCCCGGCT A GTAGGGCCGA 1	1960 AGGGAGAGGG 1 TCCCTCTCCC 1	2050 GCTGGGCTCA (CGACCCGAGT	2140 CTCGGACACC GAGCCTGTGG	2230 CCGTGCCCAG GGCACGGGTC	2320 TGGGTACCAA ACCCATGGTT	2410 TACAGGGCAG ATGTCCCGTC	2500 CAAAGGCTTC GTTTCCGAAG	2590 CTCCGACGGC GAGGCTGCCG	2680 TGAGGCTCTG
1860 TGCCTGGACG C ACGGACCTGC G	1950 ACTCATGCTC A TGAGTACGAG 1	2040 AGGGGCAGGT (TCCCCGTCCA (2130 ACTCCCTCAG TGAGGGAGTC	2220 CACATGCCCA GTGTACGGGT	2310 ACACACCACG TGTGTGGTGC	2400 CCTCTGTCCC GGAGACAGGG		2580 CCGTGCTGGA GGCACGACCT	2670 CCGTGATGCA GGCACTACGT
				2210 ACAAAACTCA TGTTTTGAGT	2300 GCATCCAGGG CGTAGGTCCC	2390 GCTGTACCAA CGACATGGTT	2480 GTCAGCCTGA CAGTCGGACT	2560 2570 CAACTACAAG ACCACGCCTC GTTGATGTTC TGGTGCGGAG	2660 TTCTCATGCT AAGAGTACGA
GAAGCCAGGC TCAGCGCTCC	COCACCTC T		2110 CCCAAAGGC (GGGTTTCCG				2470 CAAGAACCAG GTTCTTGGTC	2560 CAACTACAAG GTTGATGTTC	2650 GGGGAACGTC CCCCTTGCAG
1830 GTGTCTGCTG G		AGGIGCCCT AACCCAGGCC TCCACGGGGA TYGGGTCCGG	2120 CCTAAGCCCA CCCCAAAGGC CAAACTCTCC GGATTCGGGT GGGGTTTCCG GTTTGAGAGG	2200 2190. 2200 TGCAGAGCCC AAATCTTGTG	2280 2290 CAGGIGCCCT AGAGTAGCCT GENCALGGA TOTCATCGGA				
		2000 2000 GGCACAGGCT 1					GTCTCCGGCC GAGCCGGGGGGCCCCGGGGGGGGGGCCCAACCCGGGGGCCCCAACCCGGGGGCCCCAACCCGGGGGG		
1810 1820 GGCCAGCAC GGGAGGGAGG	1900 1910 AGCAAGGCAG GCCCGTCTG		2080 2080 2090 CGGGAGGACT CACCCCTGA	2170 2180 GTAACTCCCA ATCTTCTCTC	2260 CCCTCCAGCT	2350 CAGAGGCCGG	CACCCTGCCC	GGAGTGGGAG	2620 GCTCACCGTG CGAGTGGCAC

Figure 14C (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

2790 TGCTTGGCAC ACGAACCGTG	2880 ATGGTTCTTT TACCAAGAAA	2970 TGTGCAGGTG ACACGTCCAC	3060 AGCAGCACCT TCGTCGTGGA	3150 TTCTGTGAGC AAGACACTCG	3240 CTACCCCCAC GATGGGGGTG	3330 CCTGTGGAGG GGACACCTCC	3420 CACCACACAC GTGGTGTGTG	3510 GAACACTCCT CTTGTGAGGA	3600 TCAGACAAAC AGTCTGTTTG
2780 CGCACGAGGA TGC GCGTGCTCCT ACG	2870 CGAGACTGTG ATG GCTCTGACAC TAC	2960 TGGCCCAGGC TGI ACCGGGTCCG ACA	3050 CCCTCCCTCC AGG GGGAGGGAGG TCC	3140 GACTGTCCTG TT CTGACAGGAC AA	3230 CCTCACCCAT CT GGAGTGGGTA GA	3320 ACTCTCGGGC CC TGAGAGCCCG GG	3410 GCCACACGGC CA CGGTGTGCCG GT	3500 TCGCACACGT GA AGCGTGTGCA CT	3590 GCTGACCTGC TY CGACTGGACG AV
2770 CTCTCGCGGT CGC GAGAGCGCCA GCG	2860 TGGGCCCCTG CGA ACCCGGGGAC GCT	2950 GTCCCCACAC TGC CAGGGGTGTG ACC	3040 GCCAGCGTGG CC(CGGTCGCACC GG(3130 CTCTGTAGGA GA GAGACATCCT CT	3220 ACAGGCCCTC CC TOTCCGGGAG GG	3310 GGGGACATGC AC CCCCTGTACG TG	3400 AGGTTGGCCG GC TCCAACCGGC CG	3490 AGCAAGGTCC TC TCGTTCCAGG AC	3580 TTCTCCACAT G(AAGAGGTGTA C
2760 GCTCCCCGGG C' GAGGGGCCC G	2850 AGCGCTGCCC T	2940 GGGTCCCACT G CCCAGGGTGA C	3030 TGGGGGATTT 0 ACCCCCTAAA 0	3120 CAGCCCCTGC GTCGGGGACG	3210 GTGCGTAGGG 1 CACGCATCCC 1	3300 AACCGACTCC TTGGCTGAGG	3390 CCCCGCACTG GGGGCGTGAC	3480 CCCAGACCAG GGGTCTGGTC	3570 TCTCGGCAGC
		2930 GAGGCAGAGC CTCCGTCTCG	3020 CTCGGCAGGG GAGCCGTCCC	3110 GACAGACACA CTGTCTGTGT	3200 CCTAGICCAT GGAICAGGIA	3290 ATGGGGACAC TACCCCTGTG	3380 GTTCAACAAA CAAGTTGTTT	3470 CTGCACAGCA GACGTGTCGT	3560 CCCACGAGCC GGGTGCTCGG
GTAAATGAGG GCAAGCCCC CATTTACTCA CGCTGCCGGC CGTTCGGGGG	2810 2830 2830 2840 CCGGGCGCCC AGGATGGAAA TAAAGCACCC GCGCGG TCGTACCTTT ATTTCGTGG	2920 TOGCATGAGG ACCGTACTCC	3010 AGGGGCTGCC TCCCCGACGG	3100 AGCCCCTGGG TCGGGGACCC	3190 CGGGGGCATG GCCCCGTAC	3280 TCGCACCCGC AGCGTGGGCG	3370 GCCCAGACCC CGGGTCTGGG	3460 CCCGGGGGAA GGGCCCGCTT	3550 CACCTCAAGG GTGGAGTTCC
2730 STAAATGAGT CATTTACTCA	2820 CCGGGCGCCC GGCCCGCGGG	2910 GAGGCCTGAG CTCCGGACTC	3000 GGGCTCAGCC CCCGAGTCGG	3090 AAGCCCTAGG TTCGGGATCC	3180 CATGCCCACT GTACGGGTGA	327.0 CTGCCCAGCC GACGGGTCGG			
				3080 GGGCCACGGG	3170 TCCCGACCTC AGGGCTGGAG	3260 3250 GGCACTAACC CCTGGCTGCC CCGTGAATTGG GGACCGACGG	3350 GATGCCCACA CTACGGGTGT	ACACGTGCAC GCCTCACACA MCTCCACACGTG CGGAGTGTGT	
2720 GAGCCTCTCC CTGTCTCCGG CTCGGAGAGG GACAGAGGCC	2800 2810 GTACCCCCTG TACATACTTC CATGGGGGAC ATGTATGAAG	2890 CCACGGGTCA		3070 GCCCTGGGCT	3160 GCCCTGTCC CGGGGACAGG	3250 GGCACTAACC	3340 GACTGGTGCA	3430 ACACGTGCAC	3520 CGGACACAGG GCCTGTGTCC
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Figure 14D (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

4500 TATIOGCAAGA	4490 AAATATGGGG TTTATACCCC	4480 CCGTGTCCCA GGCACAGGGT	4470 TGCATCGTCG ACGTAGCAGC	4460 ACCATTGAAC TGGTAACTTG	4450 TCATGGTTCG	4430 4440 TIAIC CCCCTGCCA	GGAT	4420 AAGGCTGGTA TTCCGACCAT
4410	4400	4390	4380	4370	4360	4350		4330
4320	4310	4300	4290	4280	4260 4270		4250	4240
AAGTAGTGAG	GCTATTCCAG	CGGCCTCTGA	GAGGCCGCCT	TGCAGAGGCC	TGACTAATTT TTTTTTA		GCCCCATGGC	CCCATTCTCC
TTCATCACTC	CGATAAGGTC	GCCGGAGACT	CTCCGGCGGA	ACGTCTCCGG	ACTGATTAAA AAAATAAAT		CGGGGTACCG	GGGTAAGAGG
4230	4220	4210	4200	4190	4180	4170	4150 4150	4150
CCCAGTTCCG	CCTAACTCCG	CCATCCCGCC	CTAACTCCGC	AGTCCCGCCC	CAGCAACCAT	CTCAATTAGT	AAGGGAAAA AAGCATGCAT	AAGGGAAAAA
GGGTCAAGGC	GGATTGAGGC	GGTAGGGCGG	GATTGAGGCG	TCAGGGCGGG	GTCGTTGGTA	GAGTTAATCA	TTCCCTTTTT TCGTACGTA	TTCCCTTTTT
4140 CCTCTCAAAA GGAGAGTTTT	4130 GTTCGCCGGG CAAGCGGCCC	4120 TTCTCGCCAC AAGAGCGGTG	4110 TYCCCTYCCT AAGGGAAGGA	4100 TTTCGCTTTC AAAGCGAAAG	AGCGCCCTAG CGCCCGCTCC TCGCGGGATC GCGGGGGAAGG		4060 GCGTGACCGC TACACTTGCC CGCACTGGCG ATGTGAACGG	4060 GCGTGACCGC CGCACTGGCG
4050	4040	4030	4020	4010	4000	3990	3980	3970
GTTACGCGCA	GGGTGTGGTG	TAAGCGCGGC	AGCGGCGCAT	CGCGCCCTGT	GGTATCCCCA	GGCTCTAGGG	AACCAGCTGG	AGGCGGAAAG
CAATGCGCGT	CCCACACCAC	ATTCGCGCCG	TCGCCGCGTA	GCGCGGGACA	CCATAGGGGT	CCGAGATCCC	TTGGTCGACC	TCCGCCTTTC
3960	3950	3940	3930	3920	3910	3900	3890	3880
ATGGCTTCTG	GGTGGGCTCT	CTGGGGATGC	AGCAGGCATG	GGAAGACAAT	GACAGCAAGG GGGAGGATTG	GACAGCAAGG	GGTGGGGCAG	TGGGGGGTGG
TACCGAAGAC	CCACCCGAGA	GACCCCTACG	TCGTCCGTAC	CCTTCTGTTA	CTGTCGTTAC CCCTCCTAAC	CTGTCGTTCC	CCACCCCGTC	ACCCCCCACC
3870	3860	3850	3840	3830	3810 Hill 3820	3810	3790 3800	3790
CATTCTATTC	GAGTAGGTGT	CGCATTGTCT	GAAATTGCAT	ATAAAATGAG	ACTCCCACTG TCCTTTCCTA	ACTCCCACTG	CCTTGACCCT GGAAGGTGCC	CCTTGACCCT
GTAAGATAAG	CTCATCCACA	GCGTAACAGA	CTTTAACGTA	TAITTTACTC	TGAGGGTGAC AGGAAAGGAT	TGAGGGTGAC	GGAACTGGGA CCTTCCACGG	GGAACTGGGA
3780 CCCGTGCCTT GGGCACGGAA	3770 TTGCCCCTCC	3760 CATCTGTTGT GTAGACAACA	3750 AGTTGCCAGC TCAACGGTCG	3740 TGTGCCTTCT ACACGGAAGA	3730 CAGCCTCGAC GTCGGAGCTG	3720 CAGGACGGAT GTCCTGCCTA	3710 CCCAGTGCCG CCCTTCCCTG GGGTCACGGC GGGAAGGGAC	3700 CCCAGTGCCG CCCTTC GGGTCACGGC GGGAAC
TGGCCCACTT ACCGGGTGAA	TCCCTGGCCC AGGGACCGGG	3670 CCACGTCACG GGTGCAGTGC	3660 GGATCACACA CCTAGTGTGT	3650 CACACACAGG GTGTGTGTCC		3640 GIGCCCCTGC AGCCGCCACA CACGGGGACG TCGGCGGTGT	3620 TCTCACAAGG AGAGTGTTCC	3610 CCAGCCCTCC TCTCAC GGTCGGGAGG AGAGTC

Figure 14E (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

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AACAGAATC	4680 AGTAGAGAAC ICATCTCTTG	4770 GCAAGTAAAG CGTTCATTTC	4860 ACAAGGATCA TGTTCCTAGT	4950 CTCTCTGAGG GAGAGACTCC	5040 GCTCCCCTCC CGAGGGGAGG	5130 TGACATAATT ACTGTATTAA	5220 TAATYGTTTG ATTAACAAAC	CAGAAG	5400 AGGACTTTCC TCCTGAAAGG
				4940 CCCAGGCGTC GGGTCCGCAG	5030 CAAGTTCTCT GTTCAAGAGA	5120 TTCTGTGGTG AAGACACCAC	5210 CTACTGATTC GATGACTAAG		5390 GAAGACCCCA CTTCTGGGGT
			4840 GCCACCTTAG CGGTGGAATC	4930 TCCCAGAATA AGGGTCTTAT	5020 AAGATGCTTT TTCTACGAAA	5110 GGAACCTTAC CCTTGGAATG	5200 ATGTGTTAAA TACACAATTT		5380 GAGAAAGGTA CTCTTTCCAT
			4830 AATCAACCAG TTAGTTGGTC	4920 TATAAACTTC ATATTTGAAG	5010 GACTAACAGG CTGATTGTCC	5100 TCTTTGTGAA AGAAACACTT	5190 TAAGTGTATA ATTCACATAT	5280 ATGCCTTTAA TACGGAAATT	5370 Caaaaaagaa Gitititiciti
				4910 TTTGGGGAAA AAACCCCTTT	5000 CGAGAAGAAA GCTCTTCTTT	5090 GCTTTAGATC CGAAATCTAG			5360 TCTACTCCTC AGATGAGGAG
ASGRITCAA C	4630 CCATTCCTGA SQTAAGGACT	4720 rigecaaage aagggryyte	4810 ChGTTTACCA GACAAATGGT	4900 CKGAAATIGA GICTTTAACT		5080 ACTITITGCIG TIGNAAACGAC	5170 TAAGGTAAAT ATTCCATFTA	5260 TGAATGGGAG ACTTACCCTC	5350 CTCTCAACAT GAGAGTTGTA
		4710 SCTCATITIC CGAGTAAAAG	4800 GGAGGCAGTT CCTCCGTCAA	4890 ACGITITICC. TGCAAAAAGG	4980 AAGTATAAGT TTCATATTCA,	5070 AGACCATGGG TCTGGTACCC	5160 TTTAAAGCTC AAATTTTCGAG		5340 CTACTGCTGA GATGACGACT
				4880 TGAAAGTGAC ACTTTCACTG	4970 AAAAGGCATC TTTTCGTAG			5240 ATTCCAACCT TAAGGTTGGA	5330 GCCATCTAGT GATGATGAGG CGGTAGATCA CTACTACTCC
4510 ACGGAGACCT TCCCTCTGGA	4600 TGGTGATTAT	4690 TCAAAGAACC AGTTTCTTGG	4780 TAGACATGGT ATCTGTACCA	4870 TGCAGGAATT ACGTCCTTAA	4960 TCCAGGAGGA AGGTCCTCCT	5050 TAAAGCTATG	5140 GGACAAACTA CCTGTTTGAT	5230 TGTATTTTAG ACATAAAATC	5320 GCCATCTAGT CGGTAGATCA
	4550 4530 4540 4550 4550 CCGCTCAGGA ACACTCTCTC AGTGGAAGGT AAACAGAGGTGCGAGGTTCCAA GTACTTCCAA AGAATGACCA CAACCTCTTC AGTGGAAGGT AAACAGAGGGAGGAGGTCCT TGCTCAAGTT CATGAAGGTT TCTTACTGGT GTTGGAGAAG TCACCTTCCA TTTGTCT	CCGCTCAGGA ACGAGTTCAA GTACTTCCAA AGAATGACCA CAACCTCTTC AGTGGAAGGT GGCGAGTCCT TGCTCAAGTT CATGAAGGTT TCTTACTGGT GTTGGAGAAG TCACCTTCCA 4620 4620 4630 4640 4650 4650 4660 ACCTGGTTCT CCAGATTCT CATTACAAGA CATTAAAAGA ACCTGGTTCT CCATTCCTGA GAAGAATTCC TGCTTAAATA ATATCAAGAG	CCGCTCAGGA ACAGATTCCAA GTACTTCCAA AGAATGACCA CAACCTCTTC AGTGGAAGGT AAACAGA AGAGGACTCTTC AGTGGAAGGT CATGGAAGGT AAACAGA AGAGGACTCTTC AGTGGAAGGT CATGGAAGGT AAACAGAATTCTCT TGCTCCAAGATT TCTTACTGGT GTTGGAGAAG TCACCTTCCA TTTGTCT AGAGAATTCT CAATACTTCTC AGAGAATTAA TATAGTTCTC AGTAGACTCT CAATAGACT CAATAGATTTCC TGTCTTAATT ATAGTTCTC AGTAGACTATTCTC TGTCTTAATT ATAGTTCTC AGTAGACTATTCTC TGTCTTAATT ATAGTTCTC AGTAGATTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	CCGCTCAGGA ACGAGTTCAA GTACTTCCAA AGAATGACCA CAACCTCTTC AGTGGAGGT AAACAGA GGCGAGTCCTT TCTTACTGGT GTTGGAGGAAG TCACCTTCCA TTTGTCT TCTTACTGGT GTTGGAGAAG TCACCTTCCA TTTGTCT TGGAGTCT TCTTAAGGT TCTTAAAGGT TCTTAAAGG TCTTAAAAG TCTCTTAAGGA GAAATTTCC TGAATTTAA TATCAAGAG TCATCTC AGTAGAG TCATCTC GAAATTTCC TGACTTAATA TATCAAGAG TCATCTC AGTAGAG TCATCTC TGACTAAAAG TCTCTAAAAG TCTCTAAAGA TCTCTAAAAAG TCTCTAAAAAG TCTCTAAAAAG TCTCTAAAAAG TCTCTAAAAAG TCTCTAAAAAG TATCAAAAAG TCTCTAAAAAAG TATCAAAAAAAAAA	CCGCTCAGGA ACGAGTTCAA GTACTTCCAA AGAATGACCA CAACCTCTTC AGTGGAAGGT AAACAGA AGAGAGTTCAA GTACTTCCAA AGAATGACCA CAACCTCTTC AGTGGAAGGT AAACAGAGCGAGTTCTCAAAGTT CATGAAGGTT TCTTAAAGG ACGAATTAA AGA AGA AGAATTTCC TGTCTTAAAGG ACGAATTAA TATCAAGAG TCATCTCT AGTAGAGA TCATCTCT AGTAGAGA TTGTCTC AGTAGAGA TCGTCTTAAAGG ACGAATTAA AGAATTTCC AAAAATTTCA AGAAGAATTGTA AAAAATTAACA AGAAGAAATTGTA AAAAAATTGTA AAAAAATTGTA AAAAAATTGTA AAAAAAAA	CCGCTCAGGA ACAGTTCAA GTACTTCCAA AGAATGACCA CAACCTCTTC AGTGGAAGGT AAACAGA GGCGAGTTCTAA GTACATCTCCAA AGAATGACCA CAACCTCTTC AGTGGAAGGT AAACAGA GGCGGAGTCCT TGCTCAAGTT CATGAAATGCT CATTTCATAAGG ACTGAATTCC AGTACAAACG ACTGAAATTCC AGTACAAACG TTATTCAAAACA AGAATTTCC AGTACAAACG TTATTCAAAACA AGAATTTCC AGTACAAAACG TTATTCAAAACA AGAATTTCC AGTACAAAACG TTATTCAAAACACAAAACG AGAAATTCC AGAAATTCCAAAACCATTCA CGGAATTCTTC AAACCTTTTC AAACCTTTTC AAACCTTTTCC AAACCTTTTCC AGTACAAAACG AGAACACAAAACG AGAAACACAAAACG AAACAAAACGA AAACAAAACACAAAACAAAACAAAACAAAAACAAAAACAAAA	4530	4530 4540 4550 4550 4550 4550 4550 4570 457	CCGCCCAGGA ACGAGTTCAA GTACTACCAA AGANTGACCA CAACCTCTTC AGTGGAAGGT AGGCGACTCCT TGCTCAAGTT CATGAAGGTT TCTTACTGGT GTTGGACAAGT TCTTACTGGT GTTGGACAAGT TCTTACTGGT GTTGGACAAGT TCTTACTGGT GTTGGACAAGT TCTTACTGGT GTTGGACAAGT TCTTACTGGT GTTGAATTAA TATACACTCTC AGAGATTCTC TGCCAAAAG TTTGGAATTGC GGAATTTC TGCCAAAAG TTTGGAATTGC GGAATTTC TGCCAAAAG TTTGGATGATC GGAATTCTG ATTACTCTCT AGGCTTTTC TGCCAAAAG TTTGGATGATC GGAATTCTG AATACTTCTC TGCCAAAAG TTTGGAGAATTC GGAATTCTG AATACTTCTC TGCCAAAAG TTTGGAGAATTC GGAATTCTG AATACTTCTC TGCCAAAAG TTTGGAGAATTC GGAATTCTG AATACTTTGTC AAACCTTACTC GGAATTCTG AATACTTTGTC AACCTTTTTGTC AACCTTTTGTG AGGAATTCTC TGCCAAAAG TTTGGAGAAAC TTAGTTGGTC TCCCAGAATTG GGAATTCTC TGGAAATTGT CTGTTTTGTC TCCCCGTTAA GGAAATTGT TTAGTTTGGT AGGATTTTTTTTT

Figure 14F (SEQ ID NO.: 10 - Primary Sequence) (SEQ ID NO.: 28 - Complement)

AAAAAGCTGC TTTTTCGACG	5580 TTTTTCTTAC AAAAAGAATG	5670 TTAATAAGGA AATTATTCCT	5760 CTCCCACACC GAGGGTGTGG	5850 AGCAATAGCA TCGTTATCGT	5940 GTCTGGATCG CAGACCTAGC	6030 TACAAATAAA ATGTTTATTT	6120 TCTTATCATG AGAATAGTAC	6210 ACAATTCCAC TGTTAAGGTG	6300 TCACTGCCCG AGTGACGGGC	
5480 ACCACAAAGG AA TGGTGTTTCC TT	5570 AACATACTGT TTTTTCTTAC TTGTATGACA AAAAAGAATG	5660 TGTAAAGGGG T ACATTTCCCC A	5750 TTTAAAAAAC C AAATTTTTTTG G	5840 TTACAAATAA AATGTTTATT T	5930 ATCTTATCAT C TAGAATAGTA	6020 TTATAATGGT	6110 CATCAATGTA GTAGTTACAT	6200 TTATCCGCTC AATAGGCGAG	6290 TGCGTTGCGC	
5470 TGCTATTTAC A ACGATAAATG T	5560 TTATAATCAT P AATATTAGTA 1	5650 CTTTTTAATT GAAAAATTAA	5740 TTTTACTTGC AAAATGAACG	5830 CTTATAATGG GAATATTACC	5920 TCATCAATGT AGTAGTTACA	6010 TTATTGCAGC AATAACGTCG	6100 TGTCCAAACT ACAGGTTTGA	6190 TGTGAAATTG	6280 TCACATTAAT AGTGTAATTA	•
5460 TTGCTTGCTT 1	5550 GGCATAACAG CCGTATTGTC	5640 GTACCTTTAG CATGGAAATC	5730 TTTGTAGAGG AAACATCTCC	5820 TTTATTGCAG AAATAACGTC	5910 TTGTCCAAAC AACAGGTTTG		6090 AGTIGIGGIT TCAACACCAA	6180 CTGTTTCCTG GACAAAGGAC	6270 GTGAGCTAAC CACTCGATTG	
			5720 CCATACCACA GGTATGGTGT	5810 TGTTAACTTG ACAATTGAAC	5900 TAGTTGTGGT ATCAACACCA			6170 ATGGTCATAG TACCAGTATC	6260 TGCCTAATGA	
5430 5430 5440 5440 5450 TGAGTTTAGT AATAGAACTC	SS20 5540 5540 5540 TCGAAAATA TAGAACC TTTATAAGTA ACCATTGG AAATATTCAT	5610 5620 5630 5630 CTGCTATTAA TAACTATGCT CAAAAATTGT GACGATAATT ATTGATACGA GTTTTTAACA	5710 TCATAATCAG	S800 CAATTGTTGT GTTTAACAACA	5890 CACTGCATTC	5980 TGCTGGAGTT ACGACCTCAA	-			
5430 TGAGTCATGC	5520 SGGAAAAATA	5610 CTGCTATTAA	5700 TGACTAGAGA	5790 PAAATGAATG	S880 GCATTTTTTT					
	SS10 AAGAAAATTA	-	5690 TATAGTGCCT	5780 CCTGAAACAT	SB70 CACAAATAAA	111A111210 0965 CCTCCAGCGC	CACAA	CCLINICATE STATEMENTS 6130 6140 TCTGTATACC GTCGACCTCT		
		1GACGATAIL 5590 TCCACACAGG	5680 ATATTTGATG	TCCCCCTGAA	AGGGGGACII GGACIIIGIA 5860 5870 TCACAAATIT CACAAATAAA	AGIGILIAAA GIGILI 5950 GCTGGATGAT CCTCCA	6040 GCAATAGCAT	6130 TCTGTATACC	6220 ACAACATACG TGTTGTATGC	

Figure 14G (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

DD17-eJ-dCH2.H1

6390 CCCG NGGC	CAG	5570 TCC AGG	666 30GT 40GC	6750 GTGG CACC	6840 CAGC GTCG	6930 NACA ITTOT	7020 IGGTA ACCAT	TTTTT PANAN	GAACC
6390 CGCTCTTCCG GCGAGAAGGC	PATCCA ATAGGT	6570 GCGTTTTTCC CGCAAAAAGG	ACCAGO TRGGTC	6750 GGAAGCGTGG CCTTCGCACC	CCCGTT	ACTGGT	GTATT	CCACC	CAGTG
6380 PATTGGG CC ATAACCC GG	6470 AATACGG T	6560 COTTGCTG G	6650 TATAAAGA 1 ATATTTCT 7	6740 TCCCTTCG (6830 ACGAACCC TGCTTGGG	6920 SCAGCAGCC CGTCGTCGG	7010 AGAAGGACA TCTTCCTGT	7100 GCTGGTAGC CGACCATCG	7190 ITCTGACGCT FAGACTGCGA
000	c c cc	6 5 5 8 5 8 5	3 K 3 K	813 833	6820 GTGT GC CACA CG	355 355	7000 ACAC T	7090 CCAC C GGTG G	7180 CGGG G GCCC C
6370 AGGCGGTTT TCCGCCAAA	6460 ACTCAAAGGC IGAGTTTCCG	655 GTAAAAAGG CATTTTTCC	664 ACCCGACAC TGGGCTGTC	6730 TOTCCGCCTT ACAGGCGGAA	68 TGGGCTGT ACCCGACA	TATCGCCA ATAGCGGI	ACGGCTAC	AACAAAC	TTTCTAC
6360 0360 0360 0360 0360 0360	6450 TATCAGCTC A	6540 CCAGGAACC	6630 AGGTGGCGAA	6720 ACCGGATACC	6810 6810 6820 6820 6830 6840 CCCGTTCAGC CCCGTTCAGC CGCTCCAAGC TGGCCTACAC CGTGCTTGGG GGCCAAGTCG	6900 AGACACGACT	6990 TGGCCTAACT ACCGGATTGA	TOATCCGGCA ACTAGGCCGT	1170 CCTYTTGATCT GGAAACTAGA
6350 ATCGGCCAA CO	6440 CGGCGAGCG G	6530 CAGCAAAAG G	6620 FICAAGTCAG	SCIGCOGCIT	GTAGGTCGTT	6890 CAACCCGGTA	6980 CTTGAAGTGG	GARANARGAGT TGGTAGCTCT COTTOTICATE COTTOTI	TCAAGAAGAT AGTTCTTCTA
6340 6340 6350 6350 6370 6380 6370 6380 TGCATTAAATG AATCGGCCAA CGCGGGGA GAGGCGGTTT GCGTATTGGG	AGCACGGICG ACGINALITY 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GAGCAAAAAG CCAGCAAAAA GCCAGGAACC GTAAAAAAGC CGCGTTGCTG GAGCAAAAAG CCAGCAAAAA CATACTTCCG CGCAACGAC	TTAGTCCCCT ATTGCGTCCT TTCTTGTACA CTCGTTTTTCA 6620 6630 6640 6650 6650 6650 6650 6650 6650 665	TTTTAGCTIC GAGILCAGIC 1000000000000000000000000000000000000	AAGGGGACC TICGAGGAG CACGCAAAG GACAAGGUN GAACAGAAG 6800 6810 6820 6820 6830 6800 6800 6800 6800 6820 6820 6830 6830 6830 6830 6830 6830 6830 683	GCGAAAGAGT TACGAGTGCG ACATCCATAG AGTCAAGCCA CATCCAGGTA 6990 6900 6910 6920 6930 6930 6930 6930 6930 6930 6930 693	GGCTGGCGAC GCGGAATAGG CCATTGATAG CAGAACTCAG G11555CAT 1020 7000 7010 7010 7020 6950 6950 6950 6950 6950 6950 6950 GTATTTGGTA GGATTAGCA GGATTAGCA GGATTAGCA GGATTAGCA GGATTAGCA GGATTAGCA GGATTAGCA ACGCTACAC TAGAAGGAC CATAAACCAT GGATTAGCA ACGGATTAG ATCTTCCTGT CATAAACCAT	CCTAATCGTC TCGCTCCATA CATCCGCCAC GALGICICAA 77060 7080 7080 7090 7100 7110 7110 7110 7110 7110 711	AGACGCAGA CGACILCEST CANTOSTAGO 7150 7160 7170 7170 7190 7190 7190 7200 7100 7120 7120 7120 7120 7120 7150 7150 7150 7150 7150 7150 7150 715
6330 CGTGCCAGC T	6420 1GCGCTCGG	ACGCGAGCC A 6510 AGAACATGT	TCTTGTACA 6600 BAGCATCACA	STCGTAGTGT 6690 GTGCGCTCTC	CACGCGAGAG 6780 TGTAGGTATC	ACATCCATAG 6870 GGTAACTATC	CCATTGATAG 6960 GTAGGCGGTG	CATCCGCCAC 7050 GTTACCTTCC	7140 ACGCGCAGA TGCGCGTCT
6320 3GAAACCTG TO	CCTTTGGAC AO 6410 ACTGACTCG C	TGACTGAGC G 6500 PACGCAGGA A	ATTOCGICCT 1 6590 CCCCCTGAC 1	SGGGGGACTG (680 6680 AAGCTCCCTC	TTCGAGGGAG 6770 ATGCTCACGC	TACGAGTGCG 6860 CGCCTTATCC	GCGGAATAGG 6950 AGCGAGGTAT	TCGCTCCATA 7040 GCTGAAGCCA	AGACGCGAGA CGACTICCGT CALLGGTTCC 7120 7130 7140 TIGITIGCAA GCAGCAGATT ACGCGCAGAA AACAAACGTT CGTCGTCTAA TGCGCGTCTT
6310 6310 6320 6330 6330 6330 6330 6320 6320 632	GAAAGGTCAG CCCTTTGGAC AGCACGTCG ACTIVITY 1.000 6410 6450 6450 6460 6410 6410 6410 6410 6410 6410 641	GAAGGAGCGA G 6490 AATCAGGGGA T	TTAGTOCCCT ATTGCGTCCT TTCTTGTACA CTC4TTTTA CTC4TTTTCT 6530 6640 6650 6650 6650 6650 6650 6650 665	TATCCGAGGC GGGGGAACTG CTCGTAGTGT TATCCGAGGC GGGGGAACTC 6690 6690 6690 TATCCCCTGG AAGCTCCCTC GTGCGCTCTC	AAGGGGGACC 6760	GCGAAAGAGT TACGAGTGCG 6850 6860 CCGACCGCTG CGCCTTATCC	GGCTGGCGAC 6940 GGATTAGCAG	CCTAATCGTC 7030 TCTGCGCTCT	AGACGCGAGA 7120 TTGTTTGCAA
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Figure 14H (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

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7290 TTTAAATCAA AAATTTAGTT	7380 FITCGTFICAT AAAGCAAGTA	7470 CCGCGAGACC GGCGCTCTGG	7560 TCCGCCTCCA AGGCGGAGGT	7650 ACAGGCATCO TGTCCGTAGC	7740 TTGTGCAAAA AACACGTTTT	7830 CTGCATAATT GACGTATTAA	7920 CGGCGACCGA GCCGCTGGCT	8010 TCTTCGGGGC AGAAGCCCCG	9100 TTTACTTTCA AAATGAAAGT
7290 7290 7290 7290 ACCTAGATCC TTTAAATCAA ACCTAGATCC TTTTAAATTA AAAATGACTTCA AAATTAGTT TGGATCTACG AAATTTAGTT	AGTGAGGCAC CTATCTCAGC GATCTGTCTA TTTCGTTCAT TCACTCGTG GATAGAGTCG CTAGACAGAT AAAGCAAGTA	7460 TGCAATGATA ACGTTACTAT	7540 7550 7550 7560 GAAGTGGTCC TGCAACTTTA TCCGCCTCCA CTTCACCAGG ACGTTGAAAT AGGCGGAGGT	7630 7640 GCAACGTTGT TGCCATTGCT CGTTGCAACA ACGGTAACGA	7740 TAGAGAAAA CACATG TIGIGCAAAA CICAAIGIAC TAGGGGGTAC AACACGIITIT	7820 TATGGCAGCA ATACCGTCGT	7890 7900 7910 TCAACCAAGT CATTCTGAGA ATAGTGTATG AGTTGGTTCA GTAAGACTCT TATCACATAC	HGGAAAACGT ACCTTTTGCA	9100 CCAACTGATC TTCAGCATCT TTTACTTTCA GGTTGACTAG AAGTCGTAGA AAATGAAAGT
ACCTAGATCC TTTTAAATTA AAAATGAAGT TGGATCTAGG AAAATTTAAT TTTTACTTCA	7360 CTATCTCAGC	7450 7450 7460 GCCCCAGTGC TGCAATGATA CGGGGTCACG ACGTTACTAT	7540 GAAGTGGTCC CTTCACCAGG	7630 GCAACGTTGT CGTTGCAACA	7720 GAGTTACATG CTCAATGTAC	7800 7810 GCAGTGTTAT CACTCATGGT CGTCACAATA GTGAGTACCA	7900 CATTCTGAGA GTAAGACTCT	7990 TGCTCATCAT ACGAGTAGTA	8080 CCAACTGATC GGTTGACTAG
7260 ACCTAGATCC 7 RGGATCTAGG 2	7350 AGTGAGGCAC ICACTCCGTG	7440 TTACCATCTG AATGGTAGAC	7530 GCCGAGCGCA CGGCTCGCGT	7620 AATAGTTTGC TTATCAAACG	7710 CGATCAAGGC GCTAGTTCCG	7800 GCAGTGTTAT CGTCACAATA		7980 ACTTTAAAAG TGAAATTTTC	8070 ACTCGTGCAC TGAGCACGTG
			GGCTCCAGAT TTATCAGCAA TAAACCAGCC AGCCGGAAGG CCGAGGCTTA AATAGTCGTT ATTTGGTCGG TCGGCCTTCC	7610 7610 7630 7630 7630 TCCCAFTGCT ACAGGCATCG AGGCATCG AGGCATAGCT ATATCAAACG CGTTGCAACA ACGGTAACGA TGTCCGTAGC	7690 700 CATTICAGGTC GGGTTT GTANGTCGAG GCCAAGGGTT	CTCCTTCGGT CCTCCGATCG TTGTCAGAAG TAAGTTGGCC	7880 7870 7880 GTAAGATGCT TTTCTGTGAC TGGTGAGTAC	9010 7930 7940 7950 7950 7960 7960 7970 7970 7980 7980 7980 7970 7980 798	8020 8030 8040 8050 8050 8050 8050 8050 8070 8070 8080 8090 8100 8040 CCAACTGATC TYCAGCATCT TTACTTYCA CATTYGAG TACCTAGAACTCT TATACTTYCA CTTYGAGAG TYCCTAGAAT GGCGACAACT CTAGGTCAAG CTACATTYGAG TGAGCACCAC GGTTGAATGA AAATGAAAGT
7240 7250 GATTATCAAA, AAGGATCTTC CTAATAGTTT TTCCTAGAAG	ACAGTTACCA ATGCTTAATC	GTCGTGTAGA TAACTACGAT ACGGGAGGGC	CACGCTCCACA TATCAGCAA TAAACCAGC AGCCGGAAGGGGGGCCAACGCCCAAACCAAACCAAGCCAAACGCCAAACAAAAAA	7600 GAGTAAGTAG CTCATTCATC			7870 TTTCTGTGAC	ATACCGCGCC TATGGCGCGG	8050 GATCCAGTTC
		7410 GTCGTGTAGA CAGCACATCT	7500 TTATCAGCAA AATAGTCGTT	7570 7580 7590 7590 7590 7590 7590 7590 7590 759	7660 7670 7680 7680 7680 7680 AGIGICACA CONTRACCENT ACCACAGIGIC GAGCAGAA COATACCGAA	7710 7760 7770 CTCCTTCGGT CCTCCGATCG	7860 GTAAGATGCT CATTCTACGA	7950 ATACGGGATA TATGCCCTAT	GAAAACTCTC AAGGATCTTA CCGCTGTTGA
7220 TTAAGGGATT	7310 ATATGAGTAA TTATCATCATT	7390 7400 CCATAGTTGC CTGACTCCCC	7490 GGCTCCAGAT CCGAGGTCTA	7580 TAATTGTTGC	7670 CTCGTCGTTT GAGCAGCAAA	7760 CTCCTTCGGT	TREATMENT CATGCCATCC TAGAANGACA GTACGGTAGG	7940 CCCGGCGTCA GGGCCGCAGT	8030 AAGGATCTTA
AAAACTCACG TTAAGGGATT TTGGTCATGA	TCTAAAGTAT ATATGAGTAA	7390 CCATAGTTGC	7480 CACGCTCACC GTGCGAGTGG	TCCAGTCTAT	7660 TGGTGTCACG	AAGCGGTTAG	7840 CTCTTACTGT	7930 GTTGCTCTTG	BOZO GAPAACTCTC CTTTTGAGAG

Figure 14I (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

8190 CTCATACTCT GAGTATGAGA	8280 AAACAAATAG TTTGTTTATC	
8180 ATGTTGAATA TACAACTTAT	8270 TTAGAAAAT AATCTYTTTA	
8170 CGACACGGAA GCTGTGCCTT	8260 TTGAATGTAT AACTTACATA	
8160 GGAATAAGGG CCTTATTCCC	8250 GGATACATAT CCTATGTATA	
8150 CGCAAAAAG GCGTTTTTC	8240 TCTCATGAGC AGAGTACTCG	833 0 0
8140 GGCAAAATGC CC CCGTITTTAGG GG	8220 8230 8240 82	CACCTGACGT
8130 AAAACAGGAA TTTTGTCCTT	8220 AGCATTTATC TCGTAAATAG	63.10 CGAAAAGTGC
8120 TGGGTGAGCA ACCCACTCGT	8210 ATATTATTGA TATAATAACT	B300 CACATTTCCC
8110 8120 8130 8140 9150 8150 8140 8140 CGCAAAAARGC CGCAAAAAAG GGAAAAAGG CGACACGGAA ATGTTGAATA CTCATACTCT CCAGCGTTAC TGGGTGAGCA AAAACAGGAA GGCAAAAATGC CGCAAAAAAAG GGAATAAAAAG CGAAGGAA ATGTTGAATTAT GAGTATGAGA GGCAAAAAAAAA GCCAACTCGT TACAACTTAT GAGTATGAGA	8250 8250 8270 8280 8280 8280 8280 8280 8280 828	8290 GGGTTCCGCG

Figure 14J (SEQ ID NO.: 10 – Primary Sequence) (SEQ ID NO.: 28 – Complement)

(SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)

550 GGTCTTCTGG CCAGAAGACC	490 AGGCCCCGTC TCCGGGGCAG	430 GCTCAGCGCT CGAGTCGCGA	370 GIGGACAAGA CACCIGITCI	310 AGCAGCTTGG TCGTCGAACC	250 CCGGCTGTCC GGCCGACAGG	190 CCCGAACCGG GGGCTTGGCC	130 TCCTCCAAGA AGGAGGTTCT	70 TTGGAATTCT '	10 GGTACCAATT 7	
S60 G CTTTTTCCCC G GAAAAAGGGG	500 TGCCTCTTCA ACGGAGAAGT	440 CCTGCCTGGA GGACGGACCT	380 AAGTTGGTGA TTCAACCACT	320 GCACCCAGAC CGTGGGTCTG	260 TACAGTCCTC ATGTCAGGAG	200 TGACGGTGTC ACTGCCACAG	140 GCACCTCTGG CGTGGAGACC	80 TGCGGCCGCT ACGCCGA	20 TAAATTGATA (ATTTAACTAT	
0 C AGGCTCTGGG G TCCGAGACCC	510 A CCCGGAGGCC T GGGCCTCCGG	450 CGCATCCCGG GCGTAGGGCC	390 GAGGCCAGCA CTCCGGTCGT	330 CTACATCTGC GATGTAGACG	270 AGGACTCTAC TCCTGAGATG	210 GTGGAACTCA CACCTTGAGT	150 GGGCACAGCG CCCGTGTCGC	90 TGCTAGCACC ACGATCGTGG	TCTCCTTAGG (
0 580 G CAGGCACAGG C GTCCGTGTCC	TCTGCCCGCC AGACGGGCGG	060 CTATGCAGCC GATACGTCGG	400 CAGGGAGGGA GTCCCTCCCT	340 AACGTGAATC TTGCACTTAG	280 TCCCTCAGCA AGGGAGTCGT	220 GGCGCCCTGA CCGCGGGACT	160 GCCCTGGGCT CGGGACCCGA	AAGGGCCCAT TTCCCGGGTA	40 TCTCGAGTCT (AGAGCTCAGA (
O CTAGGTGCCC C GATCCACGGG	CCACTCATGC GGTGAGTACG		GGGTGTCTGC CCCACAGACG	350 ACAAGCCCAG TGTTCGGGTC	290 GCGTGGTCAC CGCACCAGTG	230 CCAGCGGCGT GGTCGCCGCA	170 GCCTGGTCAA CGGACCAGTT	CGGTCTTCCC (GCCAGAAGGG (50 CTAGATAACC G GATCTATTGG C	•
CTAACCCAGG GATTGGGTCC	TCAGGGAC AGTCCCTC	GCAGCAA(CGTCGTT	420 TGGAAGCCAG ACCTTCGGTC	360 CAACACCAAG GTTGTGGTTC	300 CGTGCCCTCC GCACGGGAGG	240 GCACACCTTC CGTGTGGAAG	180 GGACTACTTC CCTGATGAAG	120 CCTGGCACCC GGACCGTGGG	60 GGTCAATCGA CCAGTTAGCT	

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	GTGT CACA	GCGT	GCGTG	970 PCCTCTTCCC	910 CTGACACGTC GACTGTGCAG	850 CTCANGGCGG GAGTTCCGCC	790 TGACAAAACT ACTGTTTTGA	730 CCTTCTCTCC GGAAGAGAGG	670 CCCTGCCCCT GGGACGGGGA	610 CCCTGCACAC GGGACGTGTG	
	1150 GTGTGGTCAG CACACCAGTC	1090 GCGTGGAGGT CGCACCTCCA	1030 GCGTGGTGGT CGCACCACCA	970 TTCCC AAGGG	910 ACGTC TGCAG	22922 39295 850	790 AACT TTGA	730 CTCC GAGG			
						GACA CTGT	CACA(TCCC!	GACCT	AAAGG	
	1160 CGTCCTCACC GCAGGAGTGG	1100 GCATAATGCC CGTATTACGG	1040 GGACGTGAGC CCTGCACTCG	980 CCCAAAACCC GGGTTTTTGGG	920 CACCTCCATC GTGGAGGTAG	860 GACAGGTGCC CTGTCCACGG	800 CACACATGCC GTGTGTACGG	740 TCCCAGATTC AGGGTCTAAG	680 GACCTAAGCC CTGGATTCGG	620 AAAGGGGCAG TYTTCCCCGTC	
					-				CACC	GTGC	
	1170 GTCCTGCACC CAGGACGTGG	1110 AAGACAAAGC TTCTGTTTCG	1050 CACGAAGACC GTGCTTCTGG	990 AAGGACACCC TYCCTGTGGG	930 TCTTCCTCAG AGAAGGAGTC	870 CTAGAGTAGC GATCTCATCG	810 CACCGTGCCC GTGGCACGGG	750 CAGTAACTCC GTCATTGAGG	690 CACCCCAAAG GTGGGGTTTC	630 GTGCTGGGCT CACGACCCGA	
	1170 CACC GTGG										
	AGGA TCCT	၁၅၁၅ ၁၁၅၁	CTGAC	CATC	ACCT	TGCA' ACGT	GCATT	ATCI	700 GCCAAACTCT CGGTTTGAGA	640 CAGACCTGCC GTCTGGACGG	
	1180 AGACTGGCT GAATGGCAAG	1120 CGCGGGAGGA GCGCCCTCCT	1060 CTGAGGTCAA GACTCCAGTT	1000 TCATGATCTC AGTACTAGAG	940 CACCTGAACT GTGGACTTGA	880 CTGCATCCAG GACGTAGGTC	820 AGGTAAGCCA TCCATTCGGT	760 CAATCTTCTC GTTAGAAGAG			
				0000 0000	deve deve	GGAÇ	9999 2229	TCTG	CCACI	AAGAG PTCTC	
	GAATIGGCAAG CTTIACCGTTTC		1070 GTTCAACTGG CAAGTTGACC	1010 CCGGACCCCT GGCCTGGGGA	cco	AGG	830 GCCAGGCCT ADDOOLAGE	770 TCTGCAGAGC AGACGTCTCG	710 CCACTCCTC AGCTCGGACA GGTGAGGGAG TCGAGCCTGT	AAGAGCCATA TTCTCGGTAT	
=	3.1.1.53 9.4.4.39 9.4.1.5					- + ') X		
٠.	CICO	AGCA	TACG' A'TGC	3AGG1 CTCC1	CGTC	AGCC	ලා වූවට	CAAAI	CTCC	660 TCCGGGAGGA AGGCCCTCCT	
	GACUACAAGU CYCLYTGITYCA	AGCACGTACC TCGTGCATGG	TORO TACGTGGACG ATGCACCTGC	1020 GAGGTCACAT CTCCAGTGTA	237 CCGTCAGTCT GGCAGTCAGA	CAGCCGGGTG GTCGGCCCAC	BAO CGCCCTCCAG GCGGGAGGTC	780 CCAAATCTTG GGTTTAGAAC	720 GACA CTGT	660 AGGA TCCT	
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1750 ACGTACCCCC TGTACATACT TGCATGGGGG ACATGTATGA	1690 1700 GTGCGACGGC CGGCAAGCCC CACGCTGCCG GCCGTTCGGG	1640 CATGAGGCTC TGCACAACCA GTACTCCGAG ACGTGTTGGT	1570 1580 AAGCTCACCG TGGACAAGAG TTCGAGTGGC ACCTGTTCTC	1520 AACAACTACA AGACCACGCC TTGTTGAIGT TCTGGTGCGG	1450 GTCAAAGGCT TCTATCCCAG CAGTTTCCGA AGATAGGGTC	1390 1400 TACACCCTGC CCCCATCCCG ATGTGGGACG GGGGTAGGGC	1330 1340 CTGAGAGTGA CCGCTGTACC GACTCTCACT GGCGACATGG	1270 GTGGGACCCG TGGGGTGCGA CACCCTGGGC ACCCCACGCT	312 1210 1220 GCAAGGTCTC CAACAAAGCC CGTTCCAGAG GTTGTTTCGG	(SEQ ID NO.: 29 - Complement)	Figure 19C (SEO ID NO.: 23 – Primary Sequence)
1760 1770 1780 TACT TCCCGGGCGC CCAGCATGGA ATGA AGGGCCCGCG GGTCGTACCT	1710 1720 GCCC CCGCTCCCCG GGCTCTCGCG CGGG GGCGAGGGGC CCGAGAGCGC	1640 1650 1660 ACCA CTACACGCAG AAGAGCCTCT TGGT GATGTGCGTC TTCTCGGAGA	1580 1590 1600 AGAG CAGGTGGCAG CAGGGGAACG TCTC GTCCACCGTC GTCCCCTTGC	1530 TCCCGTGCTG GACTCCGACG AGGGCACGAC CTGAGGCTGC	1470 CGACATCGCC GTGGAGTGGG GCTGTAGCGG CACCTCACCC	1410 GGATGAGCTG ACCAAGAACC CCTACTCGAC TGGTTCTTGG	1350 AACCTCTGTC CCTACAGGC TTGGAGACAG GGATGTCCCG	1290 1300 GGGCCACATG GACAGAGGCC CCCGGTGTAC CTGTCTCCGG	1230 <u>33/</u> CTCCCAGCCC CCATCGAGAA GAGGGTCGG <u>G</u> GGTAGCTCTT	nt)	ence)
1790 1800 AATAAAGCAC CCAGCGCTGC TTATTTCGTG GGTCGCGACG	1730 1740 GTCGCACGAG GATGCTTGGC CAGCGTGCTC CTACGAACCG	1670 CCCTGTCTCC GGGTAAA GGGACAGAGG CCCATTT	1610 TCTTCTCATG CTCCGTGATG AGAAGAGTAC GAGGCACTAC	TCTA(AGAT(1490 1500 AGAGCAATGG GCAGCCGGAG TCTCGTTACC CGTCGGCCTC	1430 AGGTCAGCCTI GACCTGCCTG TCCAGTCGGA CTGGACGGAC	1370 1380 AGCCCCGAGA ACCCACAGGTG TCGGGGCTCT TGGTGTCCAC	1310 GGCTCGGCCC ACCCTCTGCC CCGAGCCGGG TGGGAGACGG	1250 1260 AACCATCTCC AAAGCCAAAG TTGGTAGAGG TTTCGGTTTC	 pD17-hG1b	

Figure 19D (SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)

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2350	2290	2230	2170	2110	2050	1990	1930	1870	1810
GCTTTCCCCG	CCAGCGCCCT	GTAGCGGCGC	CTATIGGCTITC	GCGCCCCTGT	GGAGCCCCTG	TTGCCAGCGT	TGTGCCTGGG	AGTGGCATGA	CCTGGGCCCC
CGAAAGGGGC	GGTCGCGGGA	CATCGCCGCG	GATIACCGAAG	CGCGGGGACA	CCTCGGGGAC	AACGGTCGCA	ACACGGACCC	TCACCGTACT	GGACCCGGGG
2360	2300	2240	2180	2120	2060	2000	1940	1880	1820
TCAAGCTCTA	AGCGCCCGCT	ATTAAGCGCG	TGAGGCGGAA	CCTCCCGACC	GGGACAGACA	GGCCCTCCCT	CCCCCTAGGG	GGGAGGCAGA	TGCGAGAC'IG
AGTTCGAGAT	TCGCGGGCGA	TAATTCGCGC	ACTCCGCCTT	GGAGGGCTGG	CCCTGTCTGT	CCGGGAGGGA	GGGGGATCCC	CCCTCCGTCT	ACGCTCTGAC
2370	2310	2250	2190	2130	2070	2010	1950	1890	1830
AATCGGGGCA	CCTTTCGCTT	GCGGGTGTGG	AGAACCAGCT	TCCATGCCCA	CACAGCCCCT	CCAGCAGCAC	TGGGGCTCAG	GCGGGTCCCA	TGATGGTTCT
TTAGCCCCGT	GGAAAGCGAA	CGCCCACACC	TCTTGGTCGA	AGGTACGGGT	GTGTCGGGGA	GGTCGTCGTG	ACCCCGAGTC	CGCCCAGGGT	ACTACCAAGA
2380	2320	2260	2200	2140	2080	2020	1960	1900	1840
TCCCTTTAGG	TCTTCCCTTC	TGGTTACGCG	GGGGCTICTIAG	CTCGGGGGCA	GCCTCTGTAG	CTGCCCTGGG	CCAGGGGCTG	CTGTCCCCAC	TTCCACGGGT
AGGGAAATCC	AGAAGGGAAG	ACCAATGCGC	CCCCGAGATIC	GAGCCCCCGT	CGGAGACATC	GACGGGACCC	GGTCCCCGAC	GACAGGGGTG	AAGGTGCCCA
2390	2330	2270	2210		2090	2030	1970	1910	1850
ATTT	CTTTCTCGCC	CAGCGTGAGC	GGGGTATCCC		GAGAÇTGTÇÇ	CTGGGCCACG	CCCTCGGCAG	ACTGGCCCAG	CAGGCCGAGT
TAAA	GAAAGAGCGG	GTCGCACTGG	CCCCATAGGG		CTCTGACAGG	GACCCGGTGC	GGGAGCCGTC	TGACCGGGTC	GTCCGGCTCA
2400	2340	2280		2160	2100	2040	1980	1920	1860
AGTGCTTTAC	ACGTTCGCCG	GCTACACTTG		GCGGTGGGCT	TGTTCTGTGA	GGAAGCCCTA	GGTGGGGGAT	GCTGTGCAGG	CTGAGGCCTG
TCACGAAATG	TGCAAGCGGC	CGATGTGAAC		CGCCACCCGA	ACAAGACACT	CCTTCGGGAT	CCACCCCCTA	CGACACGTCC	GACTCCGGAC
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2950 CGCGCCAAAC TTGACGGCAA GCGCGGTTTG AACTGCCGTT	2890 2900 GAGGCTTTTT TGGAGGCCTA CTCCGAAAAA ACCTCCGGAT	2830 TTTTTATTTA TGCAGAGGCC AAAAATAAAT ACGTCTCCGG	2780 CCATCCCGCC CCTAACTCCG GGTAGGGCGG GGATTGAGGC	2710 2710 GAAGTATGCA AAGCATGCAT CTTCATACGT TTCGTACGTA	2650 AATTCTGTGG AATGTGTGTC TTAAGACACC TTACACACAG	2590 2600 TGGGGATTTC GGCCTATTGG ACCCCTAAAG CCGGATAACC	2530 2540 TCCAAACTGG AACAACACTC AGGTTIGACC TTGTTGTGAG	2470 2480 GATAGACGGT TTTTCGCCCT CTATCTGCCA AAAAGCGGGA	2420 GGCACCTCGA CCCCAAAAAA CCGTGGAGCT GGGGTTTTTTT	Figure 19E (SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)
2970 NA TCCTAGCGTG TT AGGATCGCAC	2910 GGCTTTTTGCA CCGAAAACGT	2850 GAGGCCGCCT CTCCGGCGGA	2790 CCCAGTTCCG GGGTCAAGGC	2730 CTCAATTAGT GAGTTAATCA	2670 AGTTAGGGTG TCAATCCCAC	2610 TTAAAAATG AATTTTTTAC	2550 AACCCTATCT TTGGGATAGA	2490 TTGACGTTGG AACTGCAACC	2430 CTTGATTAGG GAACTAATCC	ence) nt)
2980 AAGGCTGGTA TTCCGACCAT	2920 AAAAGCTTGG TTTTCGAACC	2860 CGGCCTCTGA GCCGGAGACT	2800 CCCATTCTCC GGGTAAGAGG	2740 CAGCAACCAT . GTCGTTGGTA	2680 TGGAAAGTCC (ACCTTTCAGG	2620 AGCTGATTTA <i>I</i> TCGACTAAAT '	2560 CGGTCTATTC 'I GCCAGATAAG <i>I</i>	2500 AGTCCACGIT C TCAGGTGCAA G	2440 GTGATGGTTC A CACTACCAAG T	
2990 GGATTTTATC CCTNAAATAG	2930 ACAGCTCAGG TGTCGAGTCC	2870 GCTATTCCAG AAGTAGTGAG CGATAAGGTO TTCATCACTC	2010 1000 1010	2750 CCGCCC GGCGGG	2690 CCAGGCTCCC GGTCCGAGGG	2630 ACAAAATTT TGTTTTAAA	2570 ITTTIGATTTA ' AAAACTAAAT '	2510 [†] CTTTAATAGT (GAAATTATCA (2450 ACGTAGTGGG CCATCGCCCT TGCATCACCC GGTAGCGGGA	pD17-hG1b
3000 CGCGCTGCCA GGCGCACGCT	2940 ACAGCTCAGG GCTGCGATTT TGTCGAGTGG CGACGCTAAA	2880 AAGTAGTGAG TTCATCACTC	2820 TGACTAATTT ACTGATTAAA	2760 CTAACTCCGC GATTGAGGCG	2700 CAGGCAGGCA GTCCGTCCGT	2640 AACGCGAATT TIGCGCTTAA	2580 TAAGGGATTT AITCCCTAAA	2520 GGACTCTTGT CCTGAGAACA	2460 CCATCGCCCT GGTAGCGGGA	*: ;

3550 TTGAAGTCTA NACTTCAGN'I	3490 TCCCAGAATA AGGGTCTTAT	3430 TGCAGGAATT ACGTCCTTAA	3370 CTGTTTACCA GACAAATGGT	3310 TTATTGAACA AATAACTTGT	3250 TCAAAGAACC AGTTTCTTGG	3190 CCATTCCTGA GGTAAGGACT	3130 CAACCTCTTIC GTTGGAGAAG	3070 ACGGAGACCT TGCCTCTGGA	JOIO TCATGGTTCG /
3560 A CGAGAAGAAA I' GCTCTTCTTT	3500 CCCAGGCGTC GGGTCCGCAG	3440 TGAAAGTGAC ACTTTCACTG	3380 GGAAGCCATG CCTTCGGTAC	3320 ACCGGAATTG TGGCCTTAAC	3260 ACCACGAGGA TGGTGCTCCT	3200 GAAGAATCGA CTTCTTAGCT	3140 AGTGGAAGGT TCACCTTCCA	3080 ACCCTGGCCT TGGGACCGGA	3020 ACCATTGAAC '
3570 A GACTAACAGG T CTGATTGTCC	3510 CTCTCTGAGG GAGAGACTCC	3450 ACGTTTTTCC TGCAAAAAGG	3390 AATCAACCAG ITAGITGGTC	3330 GCAAGTAAAG CGTTCATTTC	3270 GCTCATTTTC CGAGTAAAAG	3210 CCTTTAAAGG GGAAATTTTCC	3150 AAACAGAATC TTTGTCTTAG	3090 CCGCTCAGGA GGCGAGTCCT	3030 TGCATCGTCG (ACGTAGCAGC (
3580 3 AAGATGCTTT C TTCTACGAAA	3520 TCCAGGAGGA AGGTCCTCCT	3460 CAGAAATTGA GTCTTTAACT	3400 GCCACCTTAG CGGTGGAATC	3340 TAGACATGGT ATCTGTACCA	3280 TTGCCAAAAG AACGGTTTTC	3220 ACAGAATTAA TGTCTTAATT	3160 TGGTGAT'FAT ACCACTAATA	3100 ACGAGTTCAA TGCTCAAGTT	3040 CCGTGTCCCA GGCACAGGGT
CAAGTTCTCT R GTTCAAGAGA	3530 AAAAAGCATC TTTTCCGTAG	_		3350 TTGGATAGTC AACCTATCAG	3290 TTTGGATGAT AAACCTACTA		3170 GGGTAGGAAA CCCATCCTTT	GTACTTCCAA CATGAAGGTT	3050 AAATATGGGG TTTATACCCG
1 GCTCCCCTCC R CGAGGGGAGG	AAGTATA TTCATA	TATAAA(ATATTY	3420 ACTCTTTGTG ACAAGGATCA TGAGAAACAC TGTTCCTAGT	3360 GGAGGCAGTT CCTCCGTCAA	3290 TTTGGATGAT GCCTTAAGAC AAACCTACTA CGGAATTCTG	3240 AGTAGAGAAC TCATCTCTTG	3180 ACCTGGTTCT TGGACCAAGA	3120 AGAATGACCA TCTTACTGGT	3060 ATTGGCAAGA TAACCGTTCT

Figure 19F (SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)

Figure 19G (SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)

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4150	4090	4030	3970	3910	3850	3790	3730	3670	3610
TCCACACAGG	TTCTGTAACC	TGCTATTTAC	TTCAGAATTG	CTCTCAACAT	TGAGGAAAAC	TGTATTTTAG	TAAGGTAAAT	GGAACCTTAC	TAAAGCTATG
AGGTGTGTCC	AAGACATTGG	ACGATAAATG	NAGTCTTAAC	GAGAGTTGTA	ACTCCTTTTG	ACATAAAATC	ATTCCATTTA	CCTTGGAATG	ATTTCGATAC
4160	4100	4040	3980	3920	3860	3800	3740	3680	362Ó
CATAGAGTGT	TTTATAAGTA	ACCACAAAGG	CTAAGTTTTT	TCTACTCCTC	CTGTTTTGCT	ATTCCAACCT	ATAAAATTTT	TTCTGTGGTG	CATTTTTATA
GTATCTCACA	AAATATTCAT	TGGTGTTTCC	GATTCAAAAA	AGATGAGGAG	GACAAAACGA	TAAGGTTGGA	TATTTTAAAA	AAGACACCAC	GTAAAAATAT
4170	4110	4050	3990	3930	3870	3810	3750	3690	3630
CTGCTATTAA	GGCATAACAG	AAAAAGCTGC	TGAGTCATGC	Caaaaaagaa	CAGAAGAAAT	ATGGAACTGA	TAAGTGTATA	TGACATAATT	AGACCATGGG
GACGATAATT	CCGTATTGTC	TTTTTCGACG	ACTCAGTACG	Gitittttctt	GTCTTCTTTA	TACCTTGACT	ATTCACATAT	ACTGTATTAA	TCTGGTACCC
4180	4120	4060	4000	3940	3880	3820	3760	3700	3640
TAACTATGCT	TTATAATCAT	ACTGCTATAC	TGTGTTTAGT	GAGAAAGGTA	GCCATCTAGT	TGAATGGGAG	ATGTGTTAAA	GGACAAACTA	ACTTTTGCTG
ATTGATACGA	AATATTAGTA	TGACGATATG	ACACAAATCA	CTCTTTCCAT	CGGTAGATCA	ACTTACCCTC	TACACAATTT	CCTGTTTGAT	TGAAAACGAC
,	4130 AACATACTGT TTGTATGACA	AAGAAAATTA TTCTTTTAAT	4020 ААТАGAACTC TTGCTTGCTT TTATCTTGAG ААСGAACGAA	3950 GAAGACCCCA CTTCTGGGGGT	3890 3900 GATGĂTGAGG CTACTGCTGA	3830 CAGTGGTGGA ATGCCTTTAA GTCACCACCH TACGGAAATT	3776 CTACTGATTC GATGACTAAG	3710. 3720 ССТАСАБАБА ТТТАААБСТС БОАТОТСТ АААТТТСБАБ	3650 GCTTTAGATC, TCTTTGTGAA CGAAATCTAG, AGAAACACTT
4200	4140	4070	4020	3960	3900	3840	3780	3720	3660
CAAAATTGT GTACCTTTAG	AACATACTGT TTTTTCTTAC	AAGAAAATTA TGGAAAAATA	TIGCTIGCTT	AGGACTTTCC	CTACTGCTGA	ATGCCTTTAA	TAATTGTTTG	TTTAAAGCTC	TCTTTGTGAA
GTTTTTAACA CATGGAAATC	TTGTATGACA AAAAAGAATG	TTCTTTTAAT ACCTTTTTAT	AACGAACGAA	TCCTGAAAGG	GATGACGACT	TACGGAAATT	ATTAACAAAC	AAATTTCGAG	AGAAACACTT
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Figure 19H
(SEQ ID NO.: 23 – Primary Sequence)
(SEQ ID NO.: 29 – Complement)

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4750	4690	4630	4570	4510	A450	4390	A330	4270	4210
TGTGAAATTG	TCTGTATACC	CAUTTUTTTC	TTATTGCAGC	GCTGGATGAT	CACTGCATTC '	CTTATAATGG '	TCCCCCTGAA (TCATAATCAG	CTTTTTAATT T
ACACTTTAAC	AGACATATGG	GTÄNANNAAG	AATAACGTCG	CGACCTACTA	GTGACGTAAG	GAATATTACC '	AGGGGGACTT	AGTATTAGTC	GAAAAATTAA /
4760	4700	4640	4580	4520	4460	4400	4340	4280	4220
TTATCCGCTC	GTCGACCTCT	ACTGCATTCT	TTATAATGGT	CCTCCAGCGC	TAGTTGTGGT	TTACAAATAA	CCTGAAACAT	CCATACCACA	TGTAAAGGGG
AATAGGCGAG	CAGCTGGAGA	TGACGTAAGA	AATATTACCA	GGAGGTCGCG	AT'CAACACCA	AATGTTTATT	GGACTTTGTA	GGTATGGTGT	ACATTTCCCC
4770 ACAATTCCAC TGTTAAGGTG	AGCTAGAGCT TCGATCTCGA	4650 AGTTGTGGTT TCAACACCAA	4590 ТАСАААТААА АТСТТТАТТТ	4530 GGGGATCTCA CCCCTAGAGT	4470 TTGTCCAAAC AACAGGTTTG	4410 AGCAATAGCA TCGTTATCGT	4350 AAAATGAATG ITTTACTTAC	4290 TTTGTAGAGG AAACATCTCC	4230 TTAATAAGGA AATTATTCCT
4780	4720	4660	4600	4540	4480	4420	4360	4300	4240
ACAACATACG	TGGCGTAATC	TGTCCAAACT	GCAATAGCAT	TGCTGGAGTT	TCATCAATGT	TCACAAATTT	CAATTGTTGT	TTTTACTTGC	ATATTTGATG
TGTTGTATGC	ACCGCATTAG	ACAGGTTTGA	CGTTATCGTA	ACGACCTCAA	AGTAGTTACA	AGTGTTTAAA	GTTAACAACA	AAAATGAACG	TATAAACTAC
AGCCGGAAGC TCGGCCTTCG	4730, ATGGTCATAG TACCAGTATC	4670 CATCAATGTA GTAGTTACAT	4610 CACAAATTTC GTGTTTAAAG	4550 CTTCGCCCAC CCCAACTTGT GAAGCGGGTG GGGTTGAACA	4490°; 4500 ATCTTATCAT GTCTGGATCG TAGAATAGTA; CAGACCTAGC	4440 CACAAATAAA GCATTTTTTT GTGTTTATTT CGTAAAAAAA	4370 TGTTAACTTG TTTATTGCAG ACAATTGAAC NANTAACGTC	4310 TTTAAAAAAC AAATTTTTTG	4250 TATAGTGCCT ATATCACGGA
4800	4740	4680	4620	4560	4500	4440	4380	4320	4260
AGCCGGAAGC ATAAAGTGTA	CTGTTTCCTG	TGTTATCATG	ACAAATAAAG	CCCAACTTGT	GTCTGGATCG	GCATTTTTTT	TITATITGCAG	CTCCCACACC	TGACTAGAGA
TCGGCCTTCG TATTTCACAT	GACAAAGGAC	AGAATAGTAC	TGTTTATTTC	GGGTTGAACA	CAGACCTAGC	CGTAAAAAAA	NANITAACGTC	GAGGGTGTGG	ACTGATCTCT

(SEQ ID NO.: 23 - Primary Sequence) (SEQ ID NO.: 29 - Complement)	HIGHTP IVI
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5350	5290	5230	5170	5110	5050	4990	4930	4870	4810
TCAGTTCGGT	TGTCCGCCTT	TTCCCCCTGG	AAAATCGACG	GTAAAAAGGC	AATCAGGGGA	TCGTTCGGCT	GAGGCGGTTT	CTTTCCAGTC	AAGCCTGGGG
AGTCAAGCCA	ACAGGCGGAA	AAGGGGGACC	TTTTAGCTGC	CATTTTTTCCG	TTAGTCCCCT	AGCAAGCCGA	CTCCGCCAAA	GAAAGGTCAG	TTCGGACCCC
5360	5300	5240	5180	5120	5060	5000	4940	4880	4820
GTAGGTCGTT	TCTCCCTTCG	AAGCTCCCTC	CTCAAGTCAG	CGCGTTGCTG	TAACGCAGGA	GCGGCGAGCG	GCGTATTGGG	GGGAAACCTG	TGCCTAATGA
CATCCAGCAA	AGAGGGAAGC	TTCGAGGGAG	GAGTTCAGTC	GCGCAACGAC	ATTGCGTCCT	CGCCGCTCGC	CGCATAACCC	CCCTTTGGAC	ACGGATTACT
5370	5310	5250	5190	5130.	5070	5010	4950	4890	4830
CGCTCCAAGC	GGAAGCGTGG	GTGCGCTCTC	AGGTGGCGAA	GCGTTTTTCC	AAGAACATGT	GTATCAGCTC	CGCTCTTCCG	TCGTGCCAGC	GTGAGCTAAC
GCGAGGTTCG	CCTTCGCACC	CACGCGAGAG	TCCACCGCTT	CGCAAAAAGG	TTCTTGTACA	CATAGTCGAG	GCGAGAAGGC	AGCACGGTCG	CACTCGATTG
5380	5320	5260	5200	5140	5080	5020	4960	4900	4840
TGGGCTGTGT	CGCTTTCTCA	CTGTTCCGAC	ACCCGACAGG	ATAGGCTCCG	GAGCAAAAGG	ACTCAAAGGC	CTTCCTCGCT	TGCATTAATG	TCACATTAAT
ACCCGACACA	GCGAAAGAGT	GACAAGGCTG	TGGGCTGTCC	TATCCGAGGC	CTCGTTTTCC	TGAGTTTCCG	GAAGGAGCGA	ACGTAATTAC	AGTGTAATTA
GCACGAACCC CGTGCTTGGG	5330 ATGCTCACGC TACGAGTGCG	5280 CCTGCCGCTT.JACCGGATACC GGACGGCGAA, TGGCCTATGG	5220 ACTATAAAGA TACCAGGCGT TGATATTTCT ATGGTCCGCA	5150 CCCCCTGAC GGGGGGACTG	5090 CCAGCAAAAG GGTCGTTTTC	5030 GGTAATACGG CCATTATGCC	4970 CACTGACTCG GTGACTGAGC	AATCGGCCAA TTAGCCGGTT	4850 TGCGTTGCGC
5400 CCCGTTCAGC GGGCAAGTCG		5280 ACCGGATACC TGGCCTATGG	5220 TACCAGGCGT ATGGTCCGCA	5160 GAGCATCACA CTCGTAGTGT	5100 GCCAGGAACC CGGTCCTTGG	5040 TTATCCACAG AATAGGTGTC	4980 CTGCGCTCGG GACGCGAGCC	4920 CECECECECET	4860 TCACTGCCCG AGTGACGGGC
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Figure 19J
SEQ ID NO.: 23 – Primary Sequence)
(SEQ ID NO.: 29 – Complement)

pD17-hG.tb	SEQ ID NO.: 29 – Complement)	CITY TO THE TENTE OF THE TENTE
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5950 CCATAGTTGC GGTATCAACG	5890 ACAGTTACCA TGTCAATGGT	5830 TTTTAAATTA AAAATTTAAT	5770 AAAACTCACG TTTGAGTCC	5710 AAAAAGGATC TYTYTYYCCTAG	5650 AACAAACCAC TTGTTTGGTG	5590 · TCTGCGCTCT AGACGCGAGA	5530 CTACAGAGTT GATGTCTCAA	5470 TATCGCCACT ATAGCGGTGA	5410 CCGACCGCTG
5960	5900	5840	5780	5720	5660	5600	5540	5480	5420
CTGACTCCCC	ATGCTTAATC	AAAATGAAGT	TTAAGGGATT	TCAAGAAGAT	CGCTGGTAGC	GCTGAAGCCA	CTTGAAGTGG	GGCAGCAGCC	CGCCTTATCC
GACTGAGGGG	TACGAATTAG	TTTTACTTCA	AATTCCCTAA	AGTTCTTCTA	GCGACCATCG	CGACTTCGGT	GAACTTCACC	CCGTCGTCGG	GCGGAATAGG
5970	5910	5850	5790	5730	5670	5610	5550	5490	5430
GTCGTGTAGA	AGTGAGGCAC	TTTAAATCAA	TTGGTCATGA	CCTTTGATCT	GGTGGTTTTT	GTTACCTTCG	TGGCCTAACT	ACTGGTAACA	GGTAACTATC (
CAGCACATCT	TCACTCCGTG	AAATTTAGTT	AACCAGTACT	GGAAACTAGA	CCACCAAAAA	CAATGGAAGC	ACCGGATTGA	TGACCATTGT	CCATTGATAG
5980	5920	5060	5800	5740	5680	5620	5560	5500	5440
TAACTACGAT	CTATCTCAGC	TCTAAAGTAT	GATTATICAAA	TTTCTACGGG	TTGTTTGCAA	GAAAAAGAGT	ACGGCTACAC	GGATTAGCAG	GTCTTGAGTC (
ATTGATGCTA	GATAGAGTCG	AGATTTCATA	CTAATAGITIT	AAAGATGCCC	AACAAACGTT	CTTTTTCTCA	TGCCGATGTG	CCTAATCGTC	CAGAACTCAG
ACGCGAGGG ACGCGAGGGG	5930 GATCTGTCTA CTAGAÇAGAT	5870 ATATGAGTAA TATACTCATT	AAGGATCTTC. TTCCTAGAAG	S750 GTCTGAÇGCT CAGACTGCGA	5700 GCAGCAGATT ^{III} ACGCGCAGAA CGTCGTCTAA, TGCGCGTCTT	5640 TGGTAGCTCTI TGATCCGGCA ACCATCGAGA ACTAGGCCGT	5570 5580 TAGAAGGACA GTATTTGGTA ATCTTCCTGT CATAAACCAT	AGCGAGGTAT G TCGCTCCATA C	5450 CAACCCGGTA AGACACGACT GTTGGGCCAT TCTGTGCTGA
TTACCATCTG AATGGTAGAC	5940 TTTCGTTCAT AAAGCAAGTA	5880 ACTTGGTCTG TGAACCAGAC	5820 ACCTAGATCC TGGATCTAGG	5760 CAGTGGAACG GTCACCTTGC	5700 ACGCGCAGAA TGCGCGTCTT	5640 TGATCCGGCA ACTAGGCCGT	5580 GTATTTGGTA CATAAACCAT	5520 GTAGGCGGTG CATCCGCCAC	5460 AGACACGACT CTGTGCTGA

Figure 19K
(SEQ ID NO.: 23 – Primary Sequence)
(SEQ ID NO.: 29 – Complement)

6550 TGCTCATCAT ACGAGTAGTA	6490 GTTGCTCTTG CAACGAGAAC	6430 TTTCTGTGAC AAAGACACTG	6370 CACTCATGGT GTGAGTACCA	6310 AAGCGGTTAG TTCGCCAATC	6250 CATTCAGCTC GTAAGTCGAG	6190 GCAACGTTGT CGTTGCAACA	6130 TCCAGTCTAT AGGTCAGATA	6070 TAAACCAGCC ATTTGGTCGG	6010 GCCCAGTGC CGGGGTCACG	
50 6560 YT TGGAAAACGT YA ACCTTTTGCA	6500 G CCCGGCGTCA C GGGCCGCAGT	0 6440 C TGGTGAGTAC G ACCACTCATG	0 6380 T TATGGCAGCA A ATACCGTCGT	0 6320 G CTCCTTCGGT C GAGGAAGCCA	6260 C CGGTTCCCAA G GCCAAGGGTT	6200 F TGCCATTGCT A ACGGTAACGA	6140 F TAATTGTTGC A ATTAACAACG	6080 C AGCCGGAAGG C TCGGCCTTCC	6020 C TGCAATGATA B ACGTTACTAT	
6570 r TCTTCGGGGC A AGAAGCCCCCG	6510 ATACGGGATA TATGCCCTAT	6450 TCAACCAAGT AGTTGGTTCA	6390 CTGCATAATT GACGTATTAA	6330 CCTCCGATCG GGAGGCTAGC	6270 CGATCAAGGC GCTAGTTCCG	6210 ACAGGCATCG TGTCCGTAGC	6150 CGGGAAGCTA GCCCTTCGAT	6090 GCCGAGCGCA CGGCTCGCGT	6030 CCGCGAGACC GGCGCTCTGG	
6580 GAAAACTCTC CTTTTGAGAG	6520 ATACCGCGCC TATGGCGCGG	6460 CATTCTGAGA GTAAGACTCT	6400 CTCTTACTGT GAGAATGACA	6340 TTGTCAGAAG AACAGTCTTC	6280 GAGTTACATG CTCAATGTAC	6220 TGGTGTCACG ACCACAGTGC	6160 GAGTAAGTAG CTCATTCATC	6100 GAAGTGGTCC CTTCACCAGG	6040 CACGCTCACC GTGCGAGTGG	
	6530 ACATAGCAGA TGTATCGTCT	6480 ATAGTGTATG CGGCGACCGA TATCACATAC GCCGCTGGCT	6410 CATGCCATCC GTACGGTAGG	5350. TAAGTTGGCC ATTCAACCGG	6290 6300 ATCCCCCATG TTGTGCAAAA	6240 CTCGTCGTTTT GGTATGGCTT GAGGAGCAAAI CCATACCGAA	6170 TTCGCCAGTT AATAGTTTGC AAGCGGTCAA TTATCAAACG	6110	6060 GGCTCCAGAT TTATCAGCAA CCGAGGTCTA AATAGTCGTT	_
6590 AAGGATCTTA CCGCTGTTGA TYCCTAGAAN GGCGACAACT	6540 ACTTTAAAAG TGAAATTTTC	CGGCGACCGA GCCGCTGGCT	6420 GTAAGATGCT CATTCTACGA	6360 GCAGTGTTAT CGTCACAATA	6300 brgrgcaaaa aacacgrrrr	6240 GGTATGGCTT CCATACCGAA	6180 AATAGTTTGC TTATCAAACG	6120 TCCGCCTCCA AGGCGGAGGT	6060 TTATCAGCAA AATAGTCGTT	
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Figure 19L (SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)

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7150 CAATTGCATG	7090 GGAGGTCGCT CCTCCAGCGA	7030 CAGTACAATC GTCATGTTAG	6970 TTTATTTTAT AAATAAATA	6910 TAGGTGACCT ATCCACTGGA	6850 GGGTTCCGCG CCCAAGGCGC	6790 AGGGTTATTG TCCCAATAAC	6730 CGACACGGAA GCTGTGCCTT	6670 CCAGCGTTTC GGTCGCAAAG	6610 GATCCAGTTC CTAGGTCAAG
7160 S AAGAATCTGC C TYCTTAGACG	7100 GAGTAGTGCG CTCATCACGC	7040 TGCTCTGATG ACGAGACTAC	6980 TTTTGAGATG AAAACTCTAC	6920 GAGGCGCGCC CTCCGCGCGCGG	6860 CACATTTCCC GTGTAAAGGG	6800 TCTCATGAGC AGAGTACTCG	6740 ATGTTGAATA TACAACTTAT	6680 TGGGTGAGCA ACCCACTCGT	6620 GATGTAACCC C CTACATTGGG
7170 TTAGGGTTAG	7110 GCAGCAAAAT GCTCGTTTTA	7050 CCGCATAGTT GGCGTATCAA	6990 GAGTTTGGCG CTCAAACCGC	6930 GGCTTCGAAT CCGAAGCTTA	6870 CGAAAAGTGC GCTTTTCACG	6810 GGATACATAT CCTATGTATA	6750 CTCATACTCT GAGTATGAGA	6690 AAAACAGGAA TTTTGTCCTT	ACTCGTGCAC (TGAGCACGTG)
7180 GCGTTTTGCG CGCAAAACGC	7120 TTAAGCTACA AATTCGATGT	7060 AAGCCAGTAT TTCGGTCATA	7000 CCGATCTCCC GGCTAGAGGG	AGCCAGAGTA TCGGTCTCAT	6880 CACCTGACGT GTGGACTGCA	6820 TTGAATGTAT AACTTACATA	6760 TCCTTTTTCA AGGAAAAAGT	6700 GGCAAAATGC CCGTTTTACG	6640 CCAACTGATC GGTTGACTAG
			7010 7020 GATCCCCTAT CGTCGACTCT CTAGGGGATA CCAGCTGAGA	6950. GARTTTTATT FTAATTTTATTTATTTGGAAAAAAAA AATTAAAATA	GCTGCCTAGC	6830 TTAGAAAAT AATCTTTTTA	6770 ATATTATTGA / TATAATAACT /	6710 CGCAAAAAAG (GCGTTTTTTTC (6650 TTCAGCATCT 1 AAGTCGTAGA 1
7200 CTGCTTCGCG) ATGTACGGGC GACGAAGCGC TACATGCCCG	7130 ? 7140 ACAAGGCAAG* GCTTGACCGA TGTTCCGTTC CGAACTGGCT	CITICICI	7020 SGTCGACTCT CCAGCTGAGA	6960 TTAATTTTAT AATTAAAATA	6900 GGAGATCTGC CCTCTAGACG	6840 AAACAAATAG TTTGTTTATC	6780 AGCATTTATC TCGTAAATAG	GGAATAAGGG CCTTATTCCC	6660 TTTACTTTCA AAATGAAAGT

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Figure 19M (SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)

GATATACG CGTTGACATT GATTATTGAC TAGTTATTAA TAGTAATCAA: TTACGGGGTC CTATATGC GCAACTGTAA CTAATAACTG ATCAATAATT A1CATTAGTT; AATGCCCCAG	7210 7220	
TATTGAC ATAACTG	7230	
TAGTTATTAA ATCAATAATT	7240	
TAGTAATCAA ATCATTAGTT	7250	. ·
TTACGGGGTC AATGCCCCCAG	7260	

7750	7690	7630	7570	7510	7450	7390	7330	7270	7210
CCCATTGACG	TGGGAGTTTG	TGGGCGTGGA	GTACATCTAC	TAAATGGCCC	CTTGGCAGTA	AACGCCAATA	TGGCTGACCG	ATTAGTTCAT	CAGATATACG
GGGTAACTGC	ACCCTCAAAC	ACCCGCACC'I	CATGTAGATG	ATTTACCGGG	GAACCGTCAT	TTGCGGTTAT	ACCGACTGGC	TAATCAAGTA	GTCTATATGC
7760	7700	7640	7580	7520	7460	7400	7340	7280	7220
CAAATGGGCG	TTTTGGCACC	TAGCGGTTTG	GTATTAGTCA	GCCTGGCATT	CATCAAGTGT	GGGACTTTCC	CCCAACGACC	AGCCCATATA	CGTTGACATT
CTTTACCCGC	AAAACCGTGG	ATCGCCAAAC	CATAATCAGT	CGGACCGTAA	GTAGTTCACA	CCCTGAAAGG	GGGTTGCTGG	TCGGGTATAT	GCAACTGTAA
7770	7710	7650	7590	7530	7470	7410	7350	7290	7230
GTAGGCGTGT	AAAATCAACG	ACTCACGGGG	TCGCTATTAC	ATGCCCAGTA	ATCATATGCC	ATTGACGTCA	CCCGCCCATT	TGGAGTTCCG	GATTATTGAC
CATCCGCACA	TTTTAGTTGC	TGAGTGCCCC	AGCGATAATG	TACGGGTCAT	TAGTATACGG	TAACTGCAGT	GGGCGGGTAA	ACCTCAAGGC	CTAATAACTG
7780	7720	7660	7600	7540	7480	7420	7360	7300	7240
ACGGTGGGAG	GGACTTTCCA	ATTTCCAAGT	CATGGTGATG	CATGACCTTA	AAGTACGCCC	ATGGGTGGAC	GACGTCAATA	CGTTACATAA	TAGTTATTAA
TGCCACCCTC	CCTGAAAGGT	TAAAGGTTCA	GTACCACTAC	GTACTGGAAT	TTCATGCGGG	TACCCACCTG	CTGCAGTTAT	GCAATGTATT	ATCAATAATT
	AAATGTCGTA ACA TTTACAGCAT TGT	7670 CTCCACCCA GAGGTGGGGT	7610 CGGTTTTGGÇ GCCAAAACCG	7560 TGGGACTTTG CTACTTGGCA ACCCTGAAAG GATGAACCGT	7490 CCTATTGACG GGATAACTGC	7440 TATTTACGGT AAACTGCCCA ATAAATGCCA TTTGACGGGT	7370 ATGACGTATG TACTGCATAC	7310 CTTACGGTAA GAATGCCATT	7250 TAGTAATCAA: TTACGGGGTC ALCATTAGTT; AATGCCCCAG
7790	7730	7680	7610,	7560	7500	7440	7380	7320	7260
GTCTATATAN GCAGAGCTCT	AAATGTCGTA ACAACTCCGC	CTCCACCCA TTGACGTCAA	CGGTTTTGGC AGTACATCAA	CTACTTGGCA	TCAATGACGG	AAACTGCCCA	TTCCCATAGT	ATGGCCCGCC	TTACGGGGTC
CAGATATATH CGTCTCGAGA	TTTACAGCAT TGTTGAGGCG	GAGGTGGGGT AACTGCAGTT	GCCAAAACCG TCATGTAGTT	GATGAACCGT	AGTTACTGCC	TTTGACGGGT	AAGGGTATCA	TACCGGGCGG	AATGCCCCAG

Figure 19N (SEQ ID NO.: 23 – Primary Sequence) (SEQ ID NO.: 29 – Complement)

7810 7820 7830 7840 7850 7860 CTGGCTAACT AGAGAACCCA CTGCTTACTG GCTTATCGAA ATTAATACGA CTCACTATAG GACCGATTGA TCTCTTGGGT GACGAATGAC CGAATAGCTT TAATTATGCT GAGTGATATC

7870 GGAGACCCAA GCTT CCTCTGGGTT CGAA

7880

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